

## What is Claimed:

- 1                   1.       A method of treating an aneurysm comprising the steps of:  
2                   determining the length of an aneurysm;  
3                   determining the minimum length of a stent-graft needed to bridge said  
4                   aneurysm;  
5                   determining, based on said minimum length of said stent-graft needed to  
6                   bridge said aneurysm, the corresponding maximum diameter of said stent-graft;  
7                   providing an expandable endoluminal stent-graft having dilation restriction  
8                   means for restricting dilation of said expandable endoluminal stent-graft beyond said  
9                   maximum diameter; and  
10                  deploying said expandable endoluminal stent-graft in said aneurysm to bridge  
11                  said aneurysm.
- 1                   2.       The method of claim 1 wherein said dilation restriction means  
2                   comprises a suture material.
- 1                   3.       The method of claim 2 wherein said suture material is flexible and  
2                   substantially inelastic.
- 1                   4.       The method of claim 1 wherein said expandable stent is made of woven  
2                   wires and said suture material is woven through said wires.
- 1                   5.       The method of claim 1 wherein said dilation restriction means  
2                   comprises a plurality of sutures spaced along said expandable endoluminal stent-graft.
- 1                   6.       The method of claim 1 wherein said plurality of sutures are located in a  
2                   plurality of substantially parallel planes which are substantially perpendicular to a  
3                   longitudinal axis of said stent-graft.
- 1                   7.       The method of claim 6 further comprising the step of cutting the stent-  
2                   graft to a length no shorter than said minimum length after said minimum length is  
3                   determined but before said stent is deployed.